

IN THE CLAIMS

Please amend claim 6 as shown on the attached Listing of Claims.



LISTING OF CLAIMS

1. (previously presented) A coaxial element wire, comprising:

a center conductor,

a non-electrically conductive insulation layer, provided around the center conductor, and in contact therewith having a thickness of 0.03mm or more and 0.15 mm or less at a portion of the insulation layer where the thickness is smallest; and

an outer conductor, made by pressing a copper or copper alloy round wire into a flat form, without annealing after pressing, to thereby provide a ribbon-shaped conductor of a virtually rectangular cross-section with its four corners smoothed, and then

helically wrapping said ribbon-shaped conductor around said insulation layer with one long side thereof facing said insulation layer,

wherein a wrapping angle of said ribbon-shaped conductor with respect to an axis of said coaxial element wire is more than 45 degrees.

2. (previously presented) A coaxial element wire, comprising:

a center conductor,

a non-electrically conductive insulation layer, disposed around said center conductor and in contact therewith, having a thickness of 0.03 mm or more and no greater than 0.15 mm at a portion of the insulation layer where the thickness is smallest, and

an outer conductor, made by:

pressing a copper or copper alloy round wire into a flat form, without annealing after pressing, to thereby provide a ribbon-shaped conductor of a virtually rectangular cross-section with its four corners smoothed, and then

helically wrapping said ribbon-shaped conductor, under a tension of at least 30% of the tensile strength of said ribbon-shaped conductor, around said insulation layer with one long side thereof facing said insulation layer, wherein a wrapping angle of said ribbon-shaped conductor with respect to an axis of said coaxial element wire is 45 degrees or more.

3. cancelled

4. (original) A multicore cable, comprising a plurality of said coaxial element wires according to claim 1 provided in a common outer jacket.

5. (original) The multicore cable according to claim 4, wherein outer conductors of the coaxial element wires are in contact.

6. (currently amended) The multicore cable according to claim 4, wherein the plurality of coaxial element wires are twisted together and provided with a said common outer jacket on the outside.

7. (original) An electronic apparatus including at least one multicore cable according to claim 5, disposed at a position where said multicore cable is subjected to mechanical rotation or bending.

8. (original) The coaxial wire element according to claim 1, wherein the outer, ribbon-shaped conductor is spirally wrapped such that adjacent wrappings of the outer conductor butt against one another.

9. (original) The coaxial wire element according to claim 2, wherein the outer conductor is helically wrapped such that adjacent wrappings of the outer conductor butt against one another.

10. (original) The coaxial wire element according to claim 1, wherein the ribbon-shaped conductor is spirally wrapped in a first direction, and wherein a second ribbon-shaped conductor is spirally wrapped in the first direction.

11. (original) The coaxial wire element according to claim 10, wherein the second ribbon-shaped conductor overlaps the first ribbon-shaped conductor.

12. (original) The coaxial wire element according to claim 2, wherein the first ribbon-shaped conductor is helically wrapped in a first direction and a second ribbon-shaped conductor is helically wrapped in the first direction.

13. (original) The coaxial wire element according to claim 12, wherein the second ribbon-shaped conductor overlaps the first ribbon-shaped conductor.

14. (previously presented) The coaxial wire element according to claim 1, wherein the outer conductor includes the first ribbon-shaped conductor spirally wrapped in a first direction and a second ribbon-shaped conductor spirally wrapped in a second direction opposite the first direction.

15. (original) The coaxial wire element according to claim 2, wherein the ribbon-shaped conductor is helically wrapped in a first direction, and a second ribbon-shaped conductor is helically wrapped in a second direction opposite the first direction.

16. (previously presented) A method of making a coaxial element wire, comprising:

providing a center conductor;

providing a non-electrically conductive insulation layer around the center conductor, wherein the insulation layer has a thickness of 0.15 mm or less;

providing an outer conductor formed by pressing a copper or copper alloy round wire into a flat form, without annealing after pressing, to thereby provide a ribbon-shaped conductor; and

spirally wrapping the ribbon-shaped conductor around the insulation layer with one long side thereof facing said insulation layer, wherein a wrapping angle of said

ribbon-shaped conductor with respect to an axis of said coaxial element wire is more than 45 degrees.

17. (original) The method according to claim 16, further comprising: assembling a plurality of the coaxial element wires in a common jacket to thereby form a multicore cable.

18. (original) The method according to claim 17, wherein outer conductors of the coaxial element wires are in contact.

19. (original) The method according to claim 16, wherein the spirally wrapping includes wrapping a second ribbon-shaped conductor around the insulation layer.

20. (original) The method according to claim 19, wherein the ribbon-shaped conductors are wrapped around the insulation layer in the same direction.

21. (original) The method according to claim 19, wherein the ribbon-shaped conductors are wrapped around the insulation layer in opposite directions.

22. (previously presented) A method of making a coaxial element wire, comprising:

providing a center conductor;

providing a non-electrically conductive insulation layer around the center conductor and in contact therewith, wherein a thickness of the insulation layer is 0.03 mm or more and not greater than 0.15 mm at a portion where the thickness is smallest;

providing an outer conductor formed by pressing a copper or copper alloy round wire into a flat form, without annealing after pressing, to thereby provide a ribbon-shaped conductor of a virtually rectangular cross-section with its four corners smoothed; and

helically wrapping one or a plurality of the ribbon-shaped conductors around the insulation layer with one long side thereof facing the insulation layer, wherein a wrapping angle of the ribbon-shaped conductor with respect to an axis of the coaxial element wire is more than 45 degrees.

23. cancelled

24. (original) The method according to claim 22, further comprising: assembling a plurality of the coaxial element wires in a common jacket to thereby form a multicore cable.

25. (original) The method according to claim 22, wherein the helically wrapping includes wrapping a second ribbon-shaped conductor around the insulation layer.

26. (original) The method according to claim 25, wherein the ribbon-shaped conductors are wrapped around the insulation layer in the same direction.

27. (original) The method according to claim 25 wherein the ribbon-shaped conductors are wrapped around the insulation layer in opposite directions.

28. cancelled

29. (previously presented) The coaxial wire element according to claim 1, wherein a plurality of said coaxial wire elements are arranged in a common jacket to form a multicore cable.

30. (previously presented) The coaxial wire element according to claim 1, wherein said insulation layer is made of PFA.

31. (previously presented) The method according to claim 16, wherein the ribbon-shaped conductor is spirally wrapped around the insulation layer under a tension of at least 30% of the tensile strength of the conductor.

32. (previously presented) The method according to claim 22, wherein the ribbon-shaped conductor is spirally wrapped around the insulation layer under a tension of at least 30% of the tensile strength of the conductor.

33. (previously presented) A coaxial element wire, comprising:

a center conductor,

a non-electrically conductive insulation layer provided around the center conductor and in contact therewith; and

an outer conductor helically wrapped around said insulation layer at a wrapping angle, with respect to the axial axis of said coaxial element wire, of more than 45 degrees with one long side of said outer conductor facing said insulation layer, said outer conductor being a copper or copper alloy wire having a ribbon shape with a virtually rectangular cross-section, and said one long side.